5 May 1964

EUBJECT:	Trip to on 1 May 1904	for monitorin	the Model 552 & 552A	
Attendees	*			
disclose	d two problem a			
by carri interfer	age motion in e	low amplitude, high freither x or y which exc	requency vibration inductions and the control of th	ed the
,	b. The vacuum	grooved glass plates, red flatness specifica s in time to make deli	tions. hope: very by 10 May 1964.	\$
2.		nounced the following		
	a. 552Al b. 552 c. 552A2	17 August 1964 15 September 1964 1 October 1964 1 December 1964	PAG Viewer TAB/SPTD PID Viewer Mayy Viewer	

Declass Review by

NIMA/DOD

25X1	SUBJECT: Trip to for monitoring the Model 552 & 552A
25X1	has asked Logistics for a 30 day extension on the Model 552 to incorporate the mensuration components. claims that this is only for their protection and that they will still attempt to deliver on the 15th of September as planned.
25X1	3. discussed the 387 Viewer and High latensity Light Table developments respectively.
25X1	partially completed cabinet fitted with a radial saw boom and a plywood simulation of the eyepioce assembly. Eyepiece attitude rotation is now accomplished through linkages between the boom and the eyepiece assembly. The elevation position motion was altered by a crank on the operators and aller boom - this motion didn't work properly. There was considerable discussion on the location of the controls a degree of agreement was attained, but there was some confusion as to the total number and type of controls required. A composite list of controls was requested and will be furnished by in the near future. The rough coordinate readout counters will be transferred to the control console. Hand wheels for file advance will be tight against the edge of the top and will not protrude above the top and intrude upon the work area. The contractor was informed that a crank with a folding handle must be provided.
	Rotation knobs with counters for joystick direction control are planned; however, the location has not been decided. The knobs and their associated drive linkages will be purely mechanical.
25X1	The physical position of the joystick on the console was examined. Was directed to move the stick to the rear as far as possible. The apped control button is to be removed from the joystick and placed on the control consols. The present three-position, push button saddle switch atop the joystick will be replaced with a single two-position push button switch. This is to be supplemented with an sumillary, fixed, three-position switch do the control console. The three position switch is in effect a channel selector right, left or both. The two-position switch will be utilized as a trie switch during stereo-scanning.
	5. One pair of 3/4" fiber optics cables with the new plastic

These cables appeared to be of good quality.

Approved For Release 2003/01/28: GIA-RDP78B04747A002900040040-3

25X1	CUBLINET: Trip to for monitoring the Model 552 & 552A	
	6. Examples of the smallest size laser marks, again, were not evallable. The laser is still inoperable.	
	7. The contractor is still working on the problem of producing an optimum vacuum grove for film hold down nor has an acceptable transparent vacuum manifold been developed. When the groove is deepended the hold down occurs with the 10 sec. limit but the grooves are not acceptable optically. If we have to compromise, we will give up time (hold-down speed) to obtain optical quality. The plates have been sent back to the wender for further polishing.	
25X1 25X1	claims that they can obtain an acceptable solution to the low powerillumination through the use of a field less between the film and the objective. We are still doubtful. claims that they are currently obtaining 600ft. labbarts	
20,(1	on the lens beach mack-up.	
25X1	the image integrator scen. claims there is no simple solution to the problem but that they will investigate it.	25>
	10. The new joystick mechanism was available for examination in an early assembly stage. It requires additional design work before it will be acceptable.	
	11. Questions concerning contemplated velocity ranges resulted in the following answers:	
v.	a01" - 1" per sec. with a .004" increment in the low	
	b5701"01" per sec. vitb a .0004" increment in the low range.	
	Incorporation of the 2.5cm ball screw may reduce the maximum plew speed obtainable with the stepping motors to .75" per sec.	
	Development Branch, Paris	25>
Ì		